

### **ABSTRACT OF THE DISCLOSURE**

In order to measure an actual distance from a vehicle to a target, the target is detected from a picture signal generated by a camera mounted on a vehicle, a horizontally estimated distance of the target is calculated, variables including a vertical angle of the target on a circumference and a curvature radius of the circumference are calculated, and then the actual distance is calculated based on the vertical angle and the curvature radius.

5